



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



WORKSHEET – 32

Topic: 2s complement

Subject: COMPUTER SCIENCE

Class - 11

F.M:15

Chapter: Data Representation

Date: 18/01/2021

➤ **Choose the correct option:**

(1X15=15)

1) 8 bit 2's complement form of +23 is:

- (a) 00010111 (b) 10010111 (c) 1100 (d) None of these

2) 8 bit 2's complement form of -23 is:

- (a) 00010111 (b) 11101001 (c) 1100 (d) None of these

3) 8 bit 2's complement form of +34 is:

- (a) 10100010 (b) 00100010 (c) 11111100 (d) None of these

4) 4 bit 2's complement form of +5 is:

- (a) 1010 (b) 0010 (c) 0101 (d) 1101

5) 5 bit 2's complement form of +9 is:

- (a) 01001 (b) 11001 (c) 01010 (d) None of these

6) 4 bit 2's complement form of -2 is:

- (a) 1110 (b) 11001 (c) 01010 (d) None of these

7) 6 bit 2's complement form of +2 is:

- (a) 000010 (b) 011001 (c) 001010 (d) None of these

8) 8 bit 2's complement form of +123 is:

- (a) 00010111 (b) 11111011 (c) 01111011 (d) None of these

9) 5 bit 2's complement form of -15 is:

- (a) 01001 (b) 10001 (c) 01010 (d) None of these

10) 4 bit 2's complement form of -5 is:

- (a) 1010 (b) 0010 (c) 0101 (d) 1011

11) 5 bit 2's complement form of +3 is:

- (a) 01001 (b) 11001 (c) 00011 (d) None of these

12) 16 bit 1's complement form of -1024 is:

- (a) 1000010000100000
(b) 1000010000000001
(c) 0000010000000000
(d) 1111110000000000

13) 8 bit 1's complement form of -123 is:

- (a) 00010111 (b) 10000101 (c) 01111011 (d) None of these

14) 8 bit 2's complement form of -47 is:

- (a) 01001 (b) 11001 (c) 01010 (d) 11010001

15) 8 bit 1's complement form of -34 is:

- (a) 11011110 (b) 00100010 (c) 11111100 (d) None of these

Phalguni Pramanik